MAY 1 9 2004 2

SHEET 1 OF 2

Form PTO 1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE			APE DOCKET NO.	SERIAL NO.				
			249420US2 10/784,932					
	0e==r	DENIGES SITED BY ABBUSANT	APPLICANT					
LIST OF	KEFEF	RENCES CITED BY APPLICANT	Kazuo NAKAJIMA, et al.					
			FILING DATE	GROUP				
· · · · · · · · · · · · · · · · · · ·			February 25, 2004					
	OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
ADD	*	16, "ADVANCED SI-BASED MATERI MICROSCOPIC COMPOSITIONAL I	alia Workshop on Advanced Materials, Institute for Materials Research (IMR), pages xiv and MATERIALS FOR SOLAR CELL APPLICATIONS: MULTICRYSTALLINE-SIGE WITH ONAL DISTRIBUTION AND VERTICALLY STACKED-Ge ISLANDS*, January 15-19, 2004					
ADD	AB	THE BAND STRUCTURE OF ELLIP	Physics, vol. 94, no. 2, pages 916-920, "INFLUENCE OF THE ELASTIC STRAIN ON PSOIDAL SIGE COHERENTLY EMBEDDED IN THE SI MATRIX", July 15, 2003					
ADD	AC	K. NAKAJIMA, et al., The Fourth International Edition of: Romanian Conference on Advanced Materials, 5 pages, "MELT GROWTH OF SIGE BULK CRYSTALS WITH UNIFORM COMPOSITION AND SIGE MULTICRYSTALS WITH MICROSCOPIC COMPOSITIONAL DISTRIBUTION FOR NEW SI/SIGE HETEROSTRUCTURAL SOLAR CELLS", September 15-18, 2003						
ADD	AD	K. NAKAJIMA, et al., Abstract Book, 15 <sup>th</sup> American Conference on Crystal Growth and Epitaxy and 11 <sup>th</sup> Biennial Workshop on OMVPE and 3 <sup>rd</sup> International Symposium on Lasers and Nonlinear Optical Materials, pages 12, 45 and 46, July 2003						
ADD	AE	K. FUJIWARA, et al., 3 <sup>rd</sup> World Conference on Photovoltaic Energy Conversion, 5 pages, "STRUCTURE AND PROPERTY OF DIRECTIONALLY GROWN SIGE MULTICRYSTALS WITH MICROSCOPIC COMPOSITIONAL DISTRIBUTION", May 11-18, 2003						
FDD	AF	K. NAKAJIMA, et al., Solar Energy Materials & Solar Cells, vol. 73, pages 305-320, "GROWTH AND PROPERTIES OF SIGE MULTICRYSTALS WITH MICROSCOPIC COMPOSITIONAL DISTRIBUTION FOR HIGH-EFFICIENCY SOLAR CELLS", 2002						
ADD	AG	N. USAMI, et al., Journal of Applied Physics, vol. 92, no. 12, pages 7098-7101, "STRAIN DISTRIBUTION OF SI THIN FILM GROWN ON MULTICRYSTALLINE-SIGE WITH MICROSCOPIC COMPOSITIONAL DISTRIBUTION", December 15, 2002						
ADD	АН	N. USAMI, et al., Jpn. J. Appl. Phys., vol. 41, Part 1, no. 7A, pages 4462-4465, "EVIDENCE OF THE PRESENCE OF BUILT-IN STRAIN IN MULTICRYSTALLINE SIGE WITH LARGE COMPOSITIONAL DISTRIBUTION", July 2002						
ADP	Ai	N. USAMI, et al., Jpn. J. Appl. Phys., vol. 41, Part 2, no. 1A/B, pages L37-L39, "CONTROL OF MACROSCOPIC ABSORPTION COEFFICIENT OF MULTICRYSTALLINE SIGE BY MICROSCOPIC COMPOSITIONAL DISTRIBUTION", January 15, 2002						
AOD	AJ	K. NAKAJIMA, et al., Abstract Book, International Forum on Science and Technology of Crystal Growth, 4 pages,  "MELT GROWTH OF SIGE BULK CRYSTALS WITH UNIFORM COMPOSITION AND SIGE MULTICRYSTALS WITH  MICROSCOPIC COMPOSITIONAL DISTRIBUTION FOR HETEROSTRUCTURE DEVICE APPLICATIONS",  March 4-5, 2002						
NO	AK	K. NAKAJIMA, et al., Abstract Book, Thirteenth American Conference on Crystal Growth and Epitaxy, Sesion 1A, Pages iv, vii and 5, "GROWTH OF SIGE BULK CRYSTAL WITH COMPOSITIONAL UNIFORMITY OVER 20mm BY CONTROLLING THE GROWTH TEMPERATURE UTILIZING IN SITU MONITORING SYSTEM", August 12-16, 2001						
ADD	AL	N. USAMI, et al., Extended Abstracts of the 20 <sup>th</sup> Electronic Materials Symposium, Nara, pages 185-186, "MULTICRYSTALLINE SIGE WITH MICROSCOPIC COMPOSITIONAL DISTRIBUTION FOR NEW SOLAR CELL APPLICATIONS", June 20-22, 2001						
ADD	AM	K. NAKAJIMA, et al., The European Material Conference, European Materials Research Society, pages E-2, "MELT GROWTH OF MULTICRYSTALLINE SIGE WITH LARGE COMPOSITIONAL DISTRIBUTION FOR NEW SOLAR CELL APPLICATIONS", June 5-8, 2001						
ARD	AN		EPORTS ON DEVELOPMENT OF Si/SiGe SOLAF ", March 2003 (with partial English translation)	R CELL USING SIGE				
				Additional References sheet(s) attached				
Examiner	(	Dl. D-1		Date Considered 7/14/05				
*Examiner: In conformance	*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

•		OIPE CITY						
		( LAY 1 9 2004 21						
		MHI TO		SHEET 2 OF 2				
Farm PTO 1449		U.S. DEPARTMENT BECOMMERCE	ATTY DOCKET NO.	SERIAL NO.				
(Modified)		PATENT AND TRADEMARK OFFICE	249420US2	10/784,932				
		!	APPLICANT	<u> </u>				
LIST OF	REFE	RENCES CITED BY APPLICANT	Kazuo NAKAJIMA, et al.					
***************************************		!	FILING DATE	GROUP 1753				
			February 25, 2004	<u> </u>				
	T		(Including Author, Title, Date, Pertinent Pages, e					
ADD	AO	MULTICRYSTALINE SUBSTRATE *,	REPORTS ON DEVELOPMENT OF SI/SiGe SOLAF  , March 2002 (with partial English translation)					
ADD	AP	Societies, no. 1, page 457, "29a-ZV-3 MULTICRYSTALS", March 2003						
	7	K. FUJIWARA, et al., Extended Abstr Societies, no. 1, page 458, "29a-ZV-/	racts (The 50 <sup>th</sup> Spring Meeting), The Japan Society 5 CRYSTALLOGRAPHIC ORIENTATION ANALYS	of Applied Physics and Related				
W)		COEFFICIENT MEASUREMENT OF COMPOSITIONAL DISTRIBUTION"	F DIRECTIONAL GROWN SIGE MULTICRYSTALS	S WITH MICROSCOPIC				
けリノ	AQ	· ·						
100	$ \cdot $	*29a-ZV-6 ELASTIC STRAIN IN ELL IMPACT ON THE BAND STRUCTUR	LIPSOIDAL SIGE INCLUSION COHERENTLY EMB RE", March 2003	BEDED IN SI MATRIX AND ITS				
		T. UJIHARA, et al., Extended Abstrar	cts (The 63 <sup>th</sup> Autumn Meeting) The Japan Society o	of Applied Physics, no. 2, page 783,				
ADJ	AR	"26p-G-4 EFFECT OF GROWTH TEMPERATURE ON THE MORPHOLOGY OF EPITAXIAL SILICON FILM ON Si(111) BY LPE METHOD", September 2002						
	لــا		and of Lockure Monting. The Janan Society of Metal	#C 20# March 28 20 2002				
NOO	AS	K. NAKAJIMA, et al., page 57, Abstract of Lecture Meeting, The Japan Society of Metal, "S <sub>1</sub> . 22", March 28-30, 2002  K. NAKAJIMA, et al., pages 284, Abstract of Lecture Meeting, The Japan Society of Metal, "ABSTRACT 414",						
ADO	AT	March 28, 2002						
AQO .	AU	K. NAKAJIMA, et al., 2 pages, The 169 <sup>th</sup> Forum on Material Science, November 26, 2001						
ADD	AV	K. NAKAJIMA, et al., pages 104-107, Workshop on High Efficiency Solar Cell and Photovoltaic Generation", November 15, 2001						
MA	AW	K. NAKAJIMA, et al., page 161, Abstr September 22-24, 2001	ract of Lecture Meeting of The Japanese Society of	f Metal, "ABSTRACT S <sub>8</sub> . 17",				
NU								
900	AX	K. NAKAJIMA, et al., page 476, Abstract of Lecture Meeting of the Japanese Society of Metal, "ABSTRACT 848", September 22-24, 2001						
		N. USAMI, et al., Extended Abstracts Pages 302 368 and 458, "12a - S -	(The 62 <sup>th</sup> Autumn Meeting), The Japan Society of /	Applied Physics, no. 1,				
ADD	AY	Pages 302, 368 and 458, "12a – S – 11 CONTROL OF MACROSCOPIC PROPERTIES OF MULTICRYSTALLINE-SIGE BY MICROSCOPIC COMPOSITIONAL DISTRIBUTION" and "26a-P11-3 CHARACTERIZATION OF MULTICRYSTALLINE SIGE WITH MICROSCOPIC COMPOSITIONAL DISTRIBUTION LISTED TO A LISTE						
		SIGE WITH MICROSCOPIC COMPOSITIONAL DISTRIBUTION USING $\mu$ -RAMAN SPECTROSCOPY*, September 11, 2001						
	_	K. NAKAJIMA, et al., Extended Abstra	acts (The 48 <sup>th</sup> Spring Meeting), The Japan Society	of Applied Physics and Related				
AQD !	AZ	Societies, no. 1, pages 452, "MELT G	SROWHT OF MULTICRYSTALLINE SIGE WITH LA CELL APPLICATIONS", March 28-31, 2001	ARGE COMPÓSITIONAL				
0 - 0			•	A hateaat)				
(400)	ВА	N. NAKAJIMA, et al., Crystal Letters, no. 18, pages 3-14, December 2001 (with English Abstract)						
	вв			<del></del>				
				Additional References sheet(s) attached				
Examiner		Il. Di		Date 7/14/05				
*Examiner: Ini	tial if re	eference is considered, whether or not out considered. Include copy of this form	citation is in conformance with MPEP 609; Draw lin					
	J110 1101	t considered, include copy of this form.	with next communication to applicant.					

SHEET 1 OF 1

	0	5/								
Form PTO 1449	LIS GEARTMENT OF COMMERCE			ATTY DOCKET NO.	SERIAL NO.					
(Modified)	Ve 1	RADEN SONT AND TRADE	EMARK OFFICE	249420US2	10/784,932					
Form PTO 1449  U.S. FARTMENT OF COMMERCE (Modified)  TRADENTED IT AND TRADEMARK OFFICE										
				APPLICANT						
LIST OF	REFER	ENCES CITED BY APP	LICANT	Kazuo NAKAJIMA, et al.						
				FILING DATE		GROUP (753				
				February 25, 2004			(15.2	'		
				U.S. PATENT DOCUMENTS						
	51100 0075									
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME .	CLASS	SUB CLASS		LING DATE PPROPRIATE		
	AA									
	AB									
	AC									
	$\vdash$									
	AD				<u> </u>	<del></del>	<del></del>			
	ΑE		<u></u>		<b>.</b>					
	AF		1		, , , , , ,					
	AG									
	АН									
			-		<del></del>	<b>†</b>				
	Al					<u> </u>				
	AJ			·	ļ					
	AK	,								
	AL					_				
<u> </u>	АМ									
	-		<del> </del>							
	AN	<u> </u>	<u> </u>	<u> </u>	<u> </u>	L	L	<del> </del>		
			FC	DREIGN PATENT DOCUMENTS						
	Ī	DOCUMENT					TRANS	LATION		
		NUMBER	DATE	COUNTRY		YES !		NO		
		<del></del>			<del> </del>	<del></del>				
	AO				<del></del>	<del>}</del>				
	AP					<u> </u>				
	AQ					<u> </u>				
. •	AR									
	AS									
	AT		<del>                                     </del>							
						<del>                                     </del>				
	AU		<b></b>							
	AV		<u></u>			<u> </u>				
		OTHER RE	FERENCES	(Including Author, Title, Date, Pertinen	t Pages, e	etc.)				
	1	I O Coisso at al. Et dull	innestalling Ci	Co Solar colle with Ge content above 10	at%" Proc	eedinas of	16 <sup>th</sup> Eur	opean photovoltaid		
ADD	AW	Solar Energy Conferent	nce, 1-5 May	2000, Glasgow, UK., Edited by H. Scheer	et. al., JA	MES & JA	MES, Lo	ondon, Vol. 1, pp.		
	AX							·		
	AY									
	AZ				☐ Add	ditional Ref	erences	sheet(s) attached		
<b> </b>	<u> </u>	00 1	<del>/</del>		D-40 C			ula c		
Examiner		ULL	<del></del>		Date Co	nsidered	<u> </u>	4/05		
*Examiner: I	nitial if	reference is considered, of considered, include o	, whether or n	ot citation is in conformance with MPEP 6 m with next communication to applicant.	i09; Draw	line throug	h citation	n if not in		